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| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
|----------------------|-------------|----------------------|---------------------|------------------|
| 10/044,595 | 01/09/2002 | Thomas G. Havens | SP02-004 | 4724 |
| 22328 | 7390 | 01/06/2004 | | |
| CORNING INCORPORATED | | | EXAMINER | |
| SP-TI-3-I | | | TUCKER, PHILIP C | |
| CORNING, NY 14831 | | | ART UNIT | PAPER NUMBER |
| | | | 1712 | |

DATE MAILED: 01/26/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

| Application No. | Applicant(s) |
|-----------------|---------------|
| 10/044,595 | HAVENS ET AL. |
| Examiner | Art Unit |
| Philip C Tucker | 1712 |

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM
THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.138(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply set by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b)

Status

1) Responsive to communication(s) filed on _____.
2a) This action is FINAL. 2b) This action is non-final.
3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4) Claim(s) 1-21 is/are pending in the application.
4a) Of the above claim(s) _____. is/are withdrawn from consideration.
5) Claim(s) 1-15 is/are allowed.
6) Claim(s) 16-21 is/are rejected.
7) Claim(s) _____ is/are objected to.
8) Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9) The specification is objected to by the Examiner.
10) The drawing(s) filed on _____ is/are: a) accepted or b) objected to by the Examiner.
 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
 Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. §§ 119 and 120

12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 a) All b) Some * c) None of:
 1. Certified copies of the priority documents have been received.
 2. Certified copies of the priority documents have been received in Application No. _____.
 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
* See the attached detailed Office action for a list of the certified copies not received.
13) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application) since a specific reference was included in the first sentence of the specification or in an Application Data Sheet. 37 CFR 1.78.
 a) The translation of the foreign language provisional application has been received.
14) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121 since a specific reference was included in the first sentence of the specification or in an Application Data Sheet. 37 CFR 1.78.

Attachment(s)

1) Notice of References Cited (PTO-892)
2) Notice of Draftsperson's Patent Drawing Review (PTO-948)
3) Information Disclosure Statement(s) (PTO-1449) Paper No(s) _____ .
4) Interview Summary (PTO-413) Paper No(s) _____.
5) Notice of Informal Patent Application (PTO-152)
6) Other: _____

DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

- (a) the invention was known or used by others in this country, or patented or described in a printed publication in this or a foreign country, before the invention thereof by the applicant for a patent.
- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.
- (e) the invention was described in a patent granted on an application for patent by another filed in the United States before the invention thereof by the applicant for patent, or on an international application by another who has fulfilled the requirements of paragraphs (1), (2), and (4) of section 371(c) of this title before the invention thereof by the applicant for patent.

The changes made to 35 U.S.C. 102(e) by the American Inventors Protection Act of 1999 (AIPA) and the Intellectual Property and High Technology Technical Amendments Act of 2002 do not apply when the reference is a U.S. patent resulting directly or indirectly from an international application filed before November 29, 2000. Therefore, the prior art date of the reference is determined under 35 U.S.C. 102(e) prior to the amendment by the AIPA (pre-AIPA 35 U.S.C. 102(e)).

2. Claims 16-20 are rejected under 35 U.S.C. 102(b) as being anticipated by Coleman (5708064).

Coleman teaches a photochromic composition which is formed by adding the photochromic composition to a monomer mixture, which may include various coloring or filtering dyes (equivalent to the ophthalmic filtering dye), and wherein the monomer

mixture mixture may include ethoxylated, or non-ethoxylated bisphenolA bismethacrylates (see column 3, lines 19-25, column 6, lines 13-19 and 59-65).

3. Claims 16-20 are rejected under 35 U.S.C. 102(e) as being anticipated by Baney et al. (6476103).

Baney teaches a photochromic composition which is formed by adding the photochromic composition to a monomer mixture, which may include various coloring or filtering dyes (equivalent to the ophthalmic filtering dye), and wherein the monomer mixture mixture may include ethoxylated, or non-ethoxylated bisphenolA bismethacrylates (see column 11, line 23- column 12, line 19 and the claims).

Claim Rejections - 35 USC § 103

4. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

5. Claims 16-21 are rejected under 35 U.S.C. 103(a) as being unpatentable over Baney (6476103) in view of Garrity (6174464).

Baney teaches a photochromic composition which is formed by adding the photochromic composition to a monomer mixture, which may include various coloring or filtering dyes (equivalent to the ophthalmic filtering dye), and wherein the monomer mixture mixture may include ethoxylated, or non-ethoxylated bisphenolA

bismethacrylates (see column 11, line 23- column 12, line 19 and the claims). Baney differs from the present invention in that the use of the specific phenanthro compound of claim 21 is not disclosed. Garrity teaches that analogous naphtha-oxazines and phenanthro-oxazines may be used as alternatives in photochromic compositions (see compounds 1 and 3 in columns 7-8). It would be obvious to one of ordinary skill in the art to utilize various analogous phenanthro-oxazine compounds, such as compound 1 of Garrity, of the naphtha-oxazine compounds in the photochromic compositions of Baney, given the teaching of Garrity, that such compounds may be alternatively used in photochromic compositions.

6. Claims 1-15 are allowable over the art of record.
7. The following is a statement of reasons for the indication of allowable subject matter: Although the prior art of record teaches photochromic glass compositions which possess the properties, disclosed in the present claims, the prior art fails to teach or suggest the compositions possessing the properties having a polymer matrix base

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Philip C Tucker whose telephone number is 571-272-1095. The examiner can normally be reached on Monday - Friday, Flexible schedule.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Vasu Jagannathan can be reached on 571-272-1119. The fax phone

number for the organization where this application or proceeding is assigned is (703) 872-9306.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-308-0651.



Philip C Tucker
Primary Examiner
Art Unit 1712

PCT-2941